Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/19/2017 10:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125454	0	1.51	125350	1.42
Blue	F	SSC	125000	124441	-1	2.95	124763	2.77
Blue	E	FITC	22946	22414	-3	2.36	999	9.79
Blue	D	PE	28770	28262	-2	1.89	1013	9.28
Blue	B	PerCP-Cy5-5	51099	50716	-1	3.25	1452	16.04
Blue	A	PE-Cy7	42312	42067	-1	4.87	649	33.15
Red	C	APC	52169	51305	-2	2.79	2953	9.39
Red	A	APC-Cy7	56705	55340	-3	2.82	1146	11.27
Violet	B	V450	14708	14128	-4	4.82	678	9.28
Violet	A	V500	58608	57382	-3	4.56	2550	6.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19726	3.92	600	2	N/A	N/A	Pass
Blue	F	SSC	62040	1.49	530	12	N/A	N/A	Pass
Blue	E	FITC	112	36.63	535	4	0.0226	105	Pass
Blue	D	PE	221	26.47	531	5	0.1694	177	Pass
Blue	B	PerCP-Cy5-5	228	42.85	626	4	0.0114	112	Pass
Blue	A	PE-Cy7	71	109.82	674	3	0.0137	13	Pass
Red	C	APC	346	27.00	593	3	0.0207	43	Pass
Red	A	APC-Cy7	126	39.09	577	1	0.0054	1231	Pass
Violet	B	V450	82	40.43	466	7	0.0460	1659	Pass
Violet	A	V500	185	23.93	495	7	0.0154	889	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/19/2017 10:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.80	-31.12	0.83
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.59	13.27 - 19.91	N/A	N/A	31.21	31.78	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 16028

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments